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Online Students Attendance System with Parents Interaction

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ABSTRACT

The Online Students Attendance System with Parents Interaction is a digital solution designed to automate the tracking and management of student attendance in educational institutions. The project titled "ONLINE STUDENTS ATTENDANCE SYSTEM WITH PARENTS INTERACTION" is a portal developed for maintenance of a college. This project is aimed at developing on an information management system that is useful for entire college students and staff. The system features a user-friendly interface for administrators and teachers to mark and monitor attendance. This system aims to enhance efficiency, reduce manual errors. In this project staff maintenance attendance of students and time tables of classrooms can get all types of consolidated reports. Through this system administrative staff can reduce their work in providing information to each student and parent.

Keywords – Introduction, Existing System, Proposed System, System Architecture, Product Functions, Sample Screens, Conclusion and Reference

1.INTRODUCTION

This project involves the development of a back-end and front-end for the student Information System. The basic goal of the project is able to produce an application that uses efficient server-side Web technologies, is platform independent and flexible. The effective utilization and integration of information technology resources at colleges by students and at home by parents increasingly depends on a robust and efficient identity management strategy. Directory services are a core resource for identity management strategies and IT Services is committed to delivering a robust and responsive directory infrastructure for the community.

Objectives

- The attendance management system is a tool that keeps track of employee and student attendance in institutes.
- It gives complete data about the time the students are present in the institute and the time they take off. This process can be conducted by recording student and employee hours using online attendance software for your company.

• An attendance management system is used by an organization to track staff's time and attendance details. You can save time and effort by calculating your employee's working hours with an accurate attendance management system.

Scope

- Student Attendance Management System is a digital platform designed to efficiently record and monitor the attendance of students in educational institutions.
- It automates the process of tracking student attendance, making it easier for teachers, administrators, and parents to access real-time attendance information.

2. EXISTING SYSTEM

The existed system is Manual process. Here all the information activities in the college are manual. Setting information related to student's personnel profile, class room timetable examination timetable details, academic timetable, the entire system is manual. The manual system is slow and students should move to various departments for information. To save the time to student and staff and implement the current technology for faster communication we have designed "Online Students Attendance System with Parents Interaction" for implanting the concept of virtual communications. Disadvantages

- Improper maintenance of Student and Staff Data regarding Studies and their attendance
- There is no better analysis on regular attendance.
- We cannot trace better accuracy on the rate of attendance.
- If loss of any record, then again start doing lot of work manually.

3. PROPOSED SYSTEM

The proposed system is to automation of Manual Communications between college departments and students in a college. The effective utilization and integration of information technology resources at colleges by students and at home by parents increasingly depends on a robust and efficient identity management strategy. This Project is aimed at developing on an Information Management system that is useful for entire college students and staff. In the project staff maintenance of students Information and can get all types of consolidated reports.

Advantages

- By replacing the paper-based attendance with automated attendance software.
- The institute can reduce the admin labour.
- Save time and money.
- Eliminate lengthy attendance process.
- The software offers highly accurate results, thus helping to lower the burden of extra payments to employees.

4. SYSTEM ARCHITECTURE



Fig: System Architecture

5. PRODUCT FUNCTIONS

The project titled is developed for providing information of student, which is helpful for the students and staff. The project is implemented in four major modules.

- •Administrator Module
- Staff Module
- Parent Module
- Student Module

Administrator Module

The Administrator handles the entire system. The role of administrator in the system is to upload the information of student, information of related to class work, examinations timetable, academic calendars and other information related to departments.

Administrator Actions

- Add Staff
- View Staff
- Add Student
- View Students
- Upload Working Days
- View Report
- View Graph

Staff Module

Staff regularly selects branches and their schedules to commence of class work, they also do attendance and check the reports of students.

Staff Actions

- View Students
- Attendance
- Change Password

Parent Module

Parents can visualize the attendance based upon month wise and day wise. The information contains

View Attendance

Student Module

Student can visualize the attendance based upon month wise and day wise. The information contains

View Attendance

6. SAMPLE SCREENS



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Fig 3: View Staff

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	Home /	kdd Staff	View Staff	Add Student	View Students	Upload workingdays	View Report	View Graph	Logout		
Rollno		Nar	ne	DO		ParentName	Y	ar Branch	Delete		
225N1F0001	SHAIK AHA	ED IRFAN		03-03-3	2001 GULAM S	HAIK ABDUL RAHIMAN	1.4	EAR MCA	Delete		
225N1F0002	JOGI AKHI	LA		04-06-3	2002 JOGI NAP	RASIMHULU	1.1	EAR MCA	Delete		
225N1F0003	BANDIAM	RUTHA		08-02-	2000 BANDI JA	GAN MOHAN REDDY	II Y	EAR MCA	Delete		
225N1F0004	BELLAAN	JSHA		18-08-3	2001 BELLA G	ANGABHUSHANA	11 11	EAR MCA	Deloto		
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225N1F0006	MAILAASV	IAN KUMA	R	18-06-3	2002 MAILA SL	BBARAYUDU	ЦY	EAR MCA	Delete		
225N1F0007	MALLU AS	MNI		05-05-	2002 MALLU R	AMAKRISHNA REDDY	11.1	EAR MCA	Delete		
225N1F0008	YARAMAL	AVIGNA		27-08-	2001 YARAMAI	A BALA KRISHNA REDO	Y 11Y	EAR MCA	Delete		
225N1F0009	KAMISETT	Y BADRIN	ATH	22-01-	2001 KAMISET	TY ANJANEYULU	1.1	EAR MCA	Delete		

Fig 1: Home Page



Fig 7: Month Wise Report

			by ACCTE, New Contra & Antibaliko Colora, LO, Ada	mapur	
Home	Add Staff	View Staff Add Student V	iew Students Upload workingdays	View Report	View Graph Log
Day	Rollno	Faculty	Subject	Status	Time
1	225N1F0050	V NIRMALA	NOSOL	Present	09:15:00
1	225N1F0050	M RAJASEKHAR REDDY	LIBRARY	Present	10:05:00
1	225N1F0050	KALLAGUNTA VENKATA RAMYA	MULTIMEDIA SYSTEMS AND TOOLS	Present	10:55:00
1	225N1F0050	KORAMUTLA SIVA KUMAR	GROUP DISCUSSION	Present	11:45:00
1	225N1F0050	KALLAGUNTA VENKATA RAMYA	MULTIMEDIA SYSTEMS AND TOOLS	Present	01:30:00
1	225N1F0050	UMAMAHESWARAREDDY A	SEMINAR	Present	02:20:00
1	225N1F0050	V NIRMALA	NOSOL	Present	02-20-00

di.

Fig 8: Day Wise Report

						s	
Hame	Add Staff V	view Staff Add Student	View Students	Upload workingdays	View Report	View Graph	Logout
	23 Chart 23 23 24 24 24 24 24 24 25 25 26 45 45 45 45 45 45 45 45 45 45 45 45 45	3 در کا مراجعہ ال ^م الی میں میں میں ا	hart 50 55 statement 50 stateme				
ig 9: View Gra	aph						
	ATTICA						

	PG	ANNA COLLEGE Approved by AICTE	OF COMPUTER STU . Neve Delha & Affiliated to JALTU, Anaertapor	DIES	
	Home Vi	iew Sudents Alten	dance Change Password Logout		
Rolino	Name	DOB	ParentName	Year	Branch
225N1F0001	SHAIK AHMED IRFAN	03-03-2001	GULAM SHAIK ABDUL RAHIMAN	II YEAR	MCA
225N1F0002	JOGIAKHILA	04-06-2002	JOGI NARASIMHULU	II YEAR	MCA
225N1F0003	BANDI AMRUTHA	08-02-2000	BANDI JAGAN MOHAN REDDY	II YEAR	MCA
225N1F0004	BELLAANUSHA	18-08-2001	BELLA GANGABHUSHANA	II YEAR	MCA
225N1F0005	MALAPATI ASHOKKUMAR REDDY	08-04-2000	MALAPATI GOPAL REDDY	II YEAR	MCA
225N1F0008	MAILA ASWAN KUMAR	16-08-2002	MAILA SUBBARAYUDU	II YEAR	MCA
225N1F0007	MALLU ASWINI	05-05-2002	MALLU RAMAKRISHNA REDDY	II YEAR	MCA
225N1F0008	YARAMALA AVIGNA	27-08-2001	YARAMALA BALA KRISHNA REDDY	II YEAR	MCA
225N1F0009	KAMISETTY BADRINATH	22-01-2001	KAMISETTY ANJANEYULU	II YEAR	MCA

Fig 10: Staff View the Students



Fig 11: Staff Taking Attendance from the Students

	ANNAMACHARYA PG COLLEGE OF COMPUTER STUDIES Address of ACT, and Coll Particle 1,412 Automatic				
	Home view	Attendance Logout			
Rolino	Faculty	Subject	Status		
225N1F0050	V NIRMALA	NOSQL	Present		
225N1F0050	M RAJASEKHAR REDDY	LIBRARY	Present		
225N1F0050	KALLAGUNTA VENKATA RAMYA	MULTIMEDIA SYSTEMS AND TOOLS	Present		
225N1F0050	KORAMUTLA SIVA KUMAR	GROUP DISCUSSION	Present		
225N1F0050	KALLAGUNTA VENKATA RAMYA	MULTIMEDIA SYSTEMS AND TOOLS	Present		
225N1F0050	UMAMAHESWARAREDDY A	SEMINAR	Present		
225N1F0050	V NIRMALA	NOSQL	Present		
Out of 7 Presented For	7 Periods				

Fig 12: Day Wise Attendance Report

KANNAMACHARYA

BANNAMACHARYA

Bandarya

Constraints

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Fig 13: Month Wise Attendance Report

7. CONCLUSION

I conclude that, the "Online Students Attendance System with Parents Interaction" project stands as a pivotal advancement in college information management. Acknowledging the growing reliance on information technology, the portal efficiently manages student attendance and offering staff comprehensive consolidated reports. Beyond easing administrative burdens, and this process will visualize the student's attendance information robustly to the parents. Its user-friendly interface ensures effective resource utilization, enhancing overall operational efficiency in colleges. This project is a significant stride toward meeting the contemporary demand for robust identity management strategies. In essence, it is a holistic solution, embodying the intersection of technology and education, with the potential to revolutionize communication and streamline processes in educational institutions.

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Conflict of interest statement

Authors declare that they do not have any conflict of interest.

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